



PHILMONT
MOBILE RADIO CLUB

THE *Blurb*

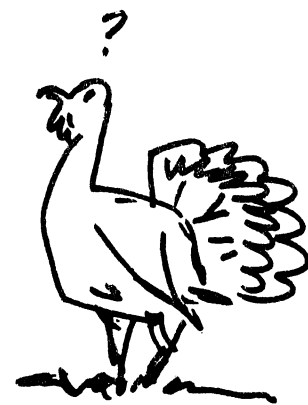


NOVEMBER 1981

W3RQZ • W3TKQ • W3QV



DESE GUYS SURE TALK FUNNY!



THE BLURB is published monthly by and for the members of the PHIL-MONT MOBILE RADIO CLUB, INC. Our purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other clubs and should be addressed to the Editor. THE BLURB subscriptions are available to non-members at \$5.00 per year and should be sent to the Treasurer.

DEADLINE - To be assured of current publication, all material must be in the hands of The Editor by the 12th of the month, and in no case, later than the Directors' Meeting.

EDITOR: Woody Haldeman, W3PST
1732 Loney Street
Philadelphia, PA 19111

Contributing Editors; K3GNM, N3ADI, W3BBB, W3QC, W3AWG

The BLURB Departments

Art Work	Sam Kunceovich
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CLUB STATIONS

W3RQZ - 1176 Old York Road
Abington, PA 19001
Trustee: H.P. Bohlander, W3VVS
W3QV 8200 Ridge Avenue
Phila., PA 19128
Trustee: C.R. Spencer, II, W3BBB
W3TKQ The Franklin Institute
Philadelphia, PA 19104
Trustee: R.E. Madara, W3PWG

CLUB OFFICERS

PRESIDENT J. Kovalchek, AK2I
1228 Heartwood Drive
Cherry Hill, NJ 08003

V. Pres. H. Gilpin, W3SRU
652 Sumneytown Pike
North Wales, PA 19454

Treasurer L. Clifford, W3UY
615 Apache Lane
Norristown, PA 19401

Secretary L.S. Greenwood, N3AVE
6908 Henry Avenue
Philadelphia, PA 19128

DIRECTORS

K3GNM (81)	W3IRS (81)
W3GIF (82)	W3SGR (82)
W3BBB (A)	W3IGW (A) N3WW (A)

THE PHIL-MONT MOBILE RADIO CLUB, INC.
meets on the first monday of each month (2nd
monday Sept. only) at 8:00 p.m. at the Franklin
Institute, 20th St. & The Ben Franklin Parkway.

ALL VISITORS ARE WELCOME

Phil-Mont Club Nets are conducted weekly.
Schedules and frequencies to be announced
bi-monthly.

Sam's CORNER

ELECTION TIME WILL SOON BE HERE..
MAKE SURE YOUR CHOICE IS
FIRM AND CLEAR!

T H F P R E Z S E Z - - - -

The stage is being prepared. The chosen will have given their agreement to run for office to the Nominating Committee. Some will take the nomination as a "gesture," while others will be extremely serious about the uncoming challenge. Allow me to chat with just those members chosen to run for a moment.

Take the offer seriously and vow to give the other guy a "run for his money." Prepare a good presentation, tell the rest of the members why you will do a better job than anyone else and list your reasons for your sincere desire to make our Club a better one--just because of YOU!

Please, do not run for office merely because each office requires two candidates.

Don't do your Club an injustice by being a passive candidate. Fight for the office and show that desire in your presentation. If the other guy thinks he is a "shoe-in," tell him through your campaign why he is going to have a time of it. Phil-Mont grows stronger with every sincere, hard-fought campaign. Each office in Phil-Mont deserves a candidate willing to work hard at being the "BEST" ever in that job. To do anything less is an injustice to the membership and a disservice to the Club.

de

JAKE, AK2I

P.S. A special thanks to W3IIN for making up the Membership Certificates.

The expurgated minutes of N3AVE(well, not exactly) of the Sept Directors' Meeting held the QTH of W3GIF on 23 Sept 81.

AK2I opened the meeting---N3AVE read his approved minutes---W3UY had his Treasurer's report approved---AK2I appointed WB3KOJ as our new Bulletin Station, Don is also designing an appropriate QSL for Ben Franklin's Birthday, it will also commemorate our 30th year with W3TKQ, more on this later---AK2I recommended a trial subscription of the W5YI Report---to date 45 logos have been sold, AF3F, KA3EMR, W3BBB and WB3IGY and Jake, who tried---2 Nov 81 will be our Annual Ole Timer's Nite---W3VVS reported that 20 members, one guest and several XYLs were present---W3IIM, Jack and his XYL W3IIN, Ginnie were unanimously voted into Phil-Mont---W3IIN, better known as Jinny(sorry 'bout that) is responsible for the excellent calligraphy on our new membership certificates---The Blurb Committee report everything was fit and well---W3BBB reported that the repeater was going to be booby-trapped next week---AK2I announced that Phil-Mont was invited to participate in IBER's International Conference on Communication June 13-17, 1982, we agreed to accept, W3BBB will start as Chairman---the $\frac{1}{2}$ Marathon was critiqued, but all agreed a fine job was done by those who participated---the meeting closed at 2145, at which time W3GIF, Al and his XYL, Doris took over and helped us finish off the meeting with delicious snacks and stuff, enjoyed by all.

The 3xxth General Meeting was opened at the Franklin Institute at 2005 by AK2I---commended our newest member W3IIN for her fine work at calligraphy on our Membership Certificates(didn't think I knew how to spell it)which were distributed to those present(Please come and pick up yours at the next meeting)---Ole Timers' Nite dinner will be \$5.25(can't beat it with a stick)---W3AWG was appointed Chairman of the Nominating Committee---N3AVE(finally)read his accepted report ---W3UY,Treasurer's report, ditto---W3VVS told us that 42 members and 11 guests(K2KA, Sy Adler; W3WKO, Bill Ruhl; W2DKJ, Larry Stevenson; N3JM, John Stucka; WA3IDQ, Walt Kenworthy; KA2IYU, Don Fork; AB3N, Lynne Baer; N2BLE, Bob Ackerman; KA3BPF, Ed Stankiewicz) were present ---K3RTR ran another flawless raffle, three tickets per customer---W3WKO enlightened those present about the Int'l Conf on Comm---N3ADI gave his usual fine DX report---W3SRU introduced K2KA who presented a slide presentation accompanied with excellent comments about Navassa Island---adjourned with refreshments by K3RTR and W3PWG.
page 4 November 1981

Some more purgy minutes, this time the recent Directors' Meeting on 14 Oct 81 at the QTH of W3ZPF

AK2I opened the meeting---N3AVE read some minutes for your perusal
---W3VVS reported that 13 members were present, but no new applications---AK2I and W3AWH announced the plans for the Ole Timers' Nite at the Franklin Institute, dinner before the meeting \$45.25---
W3AWG and W3AWH co-Chairmen of the Nominating Committee reviewed their plans---AK2I let it be known that W3IIN, Jinny, our newest member, has volunteered to ink up, or out, or whatever some certificates of appreciation for our guest speakers---Jake also thanked the concerned YIs and XYL for their efforts and interest in Phil-Mont
---Jake again stated that W3BBB will head up the Communications Conference on 13-17 June 82---It was reported that K3CHR has entered that elite group that are NCSS on the tuesday nite CW Training Net---
W3AWH noted that the new members were sans Phil-Mont name badges, it being duly noted and passed on to W3AWG---also noted that the equipment at W3TKQ is in dire need of up-dating---W3IRS showing a need for up-dating our raffle system made a motion which was seconded and passed that the tickets go for \$1.00 each, with no limit on how many may be purchased---after which the meeting was adjourned to do what Phil-Mont does best, partake of the excellent repast prepared by Nellie and Charlie.

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W A N T E D - The manual for the Collins pair-of-shoes 30-I-1, for just a few minutes, until it can be duplicated- W3KIF
+ + + + + + +

QST de W1AW via WB3ECJ Bulletin NR 112 07 Oct 81

Starting 23 Oct 81 US Amateurs will no longer be required to give the CallSign of the station with which they are in contact unless international third-party traffic is being handled. Furthermore, there will no longer be a requirement to identify your station at the beginning of a transmission, so long as you identify your station at the end of the transmission or series of transmissions and at least once each ten(10) minutes during the communication AR

+ + + + + + +
Here is your 2-meter schedule. Now, don't lose it!

November

November 1-W3AWG, 8-W3ZPF, 15-KB3IV, 22-W3AA, 29-W3BBB

December

December 06-WB3CFM, 13-W3SRU, 20-N3AVE, 27-K3PHC

2.4 AUDIO RECTIFICATION Or, "How Come My Phono Detects AM?"

Audio rectification refers to the phenomenon of RF signals being picked up, rectified, and amplified by audio circuits – notably by high-gain preamplifiers. Of all types of interference possible to plague a hi-fi system, audio rectification remains the most slippery and troublesome. A common occurrence of audio rectification is to turn on a phonograph and discover you are listening to your local AM radio station instead. There exist four main sources of interference, each with a unique character. If it is clearly audible through the speaker then AM radio stations are probably the source; if the interference is audible but garbled then suspect SSB and amateur radio equipment, a decrease in volume can be produced by FM pickup, and if buzzing occurs, then RADAR or TV is being received. Whatever the source, the approaches to eliminating it are similar.

Commonly, the rectification occurs at the first non-linear, high gain, wide bandwidth transistor encountered by the incoming signal. The signal may travel in unshielded or improperly grounded input cables; it may be picked up through the air by long, poorly routed wires; or it may enter on the AC power lines. It is rectified by the first stage transistor acting as a detector diode, subsequently amplified by the remaining circuitry, and finally delivered to the speaker. Bad solder joints can detect the RF just as well as transistors and must be avoided (or suspected).

The following list should be consulted when seeking to eliminate audio rectification from existing equipment. For new designs, keep input leads short and shielded, with the shield grounded only at one point, make good clean solder connections; avoid loops created by multiple ground points; and make ground connections close to the IC or transistor that they associate with.

Audio Rectification Elimination Tips (Figure 2.4.1).

- Reduce input impedance.
- Place capacitor to ground close to input pin or base (~ 10-300pF).
- Use ceramic capacitors.
- Put ferrite bead on input lead close to the device input.
- Use RF choke in series with input (~ 10μH).
- Use RF choke (or ferrite bead) and capacitor to ground.
- Pray.

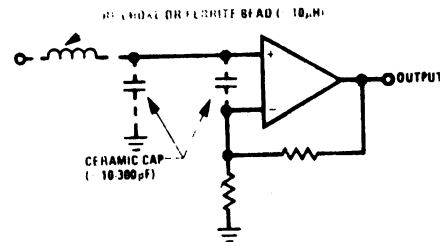


FIGURE 2.4.1 Audio Rectification Elimination Tips

A particularly successful technique is uniquely possible with the LM381 since both base and emitter points of the input transistor are available. A ceramic capacitor is mounted very close to the IC from pin 1 to pin 3, shorting base to emitter at RF frequencies (see Figure 2.4.2).

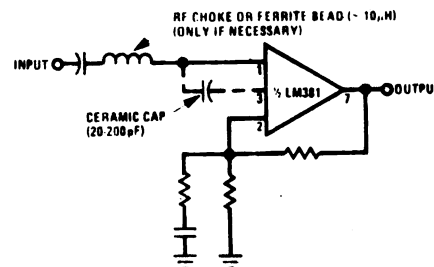


FIGURE 2.4.2 LM381 Audio Rectification Correction

W3IGW sends this along in hopes that it will help some of your more unusual cases of interference.

• **ATTN RECENT UPGRADES** - If your interim permit is nearing expiration and your new amateur license has not yet arrived, the FCC will consider requests for extensions of time. Send a photocopy of your permit along with your request to FCC, Box #441, Gettysburg, PA 17325 ATTN: Cheryl Dunlap.

de The W5YI Report

pages out of the past AND QST



(cont'd from the following page)

yes YOU, are a part of that doing, even when someone forgets to include your name in the printed program.

de w3pst

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Just about anyone in this area who attends hamfests makes certain to include the Pack-Rats Hamarama as a must-visit. However, the hamfest is only $\frac{1}{2}$ Hamarama -- the other half being the Mid-Atlantic VHF Conference. This was the 5th Annual Conference. If you are at all interested in VHF and UHF operating you should plan to attend the 6th Conference next year. This year's Conf. covered just about all parts of a state-of-the-amateur-art VHF/UHF station. Lo-noise pre-amplifiers, power amplifiers and antennas were discussed by amateurs involved in the spirit of para. (b), (c), and (d) of Rule 97.1. Home-brew and R & D are alive and well on the VHF/UHF bands! See you at the Sixth next year.

(de SPARC)

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Need a schematic of service Manual? Chances are a company called H. I. Inc., P.O. Box 802, Council Bluffs, Iowa 51502 can help you.

(de SPARC)

* * * * *

And from ARNS, we received these varied tid-bits, or we varied these--
W3IIN: "Oh Doctor, my husband thinks he's a short-wave antenns!"

Dr. Smith: "I think I could cure him of that."

W3IIN: "Oh, no, don't do that. He loads up beautifully on 20 meters.

Marriage is an institution held together by 5 books, cook, check & log.

The ideal YF is one who has the ham and eggs ready when the band's dead.

"Did I tell you about my new radio gear?"

"No, you did not,.....and I really appreciate it."

* * * * *

PHIL-MONT'S CALENDAR for the month of DECEMBER

- 02 Ole Timers' Nite, dinner at 6:30 p.m., \$5.25, contact AK2I TODAY!
- 03 Election Day VOTE!!
- 11 Veterans' Day
- 18 Directors' Meeting @ W3IGW
- 26 Thanksgiving Day
- 30 Blurb-Folding @ W3BBB, 7:30 p.m., make that 7:15 p.m.

and from the back seat - - -

A little bit of culture never did anybody any harm. So, when the opportunity presented itself to go to the Mann Music Center, we took it. And it turned out to be an enlightening experience in more ways than one, by reason of what was to be seen as well as heard.

I won't dwell much on "heard," after all, you had to be there, but the Russian composer, Igor Stravinsky was in need of a lesson or two from Johann Strauss to learn a bit about harmony. That is when I had to remind myself of "a bit of culture don't ever hurt nobody."

But, all that aside, watching the Philadelphia Orchestra perform was a lesson in itself. And not without some parallels in the real world and/or our Phil-Mont World. Provided, of course, that we are willing to apply the same principles. So, in the words of our Pheerliss Leedar, let me share a few of my observations with you.

There were long stretches of time when the fellows on the back row just sat there with their trumpets and trombones on their knees. Now, that's no way to play a trombone. Right, they weren't playing. The composition did not call for any brass sounds, so they just sat there, taking part, by remaining silent, but ready when needed. And there are a lot of occasions in Phil-Mont when we ought to be just sitting there holding our trombones. You don't have to be heard all of the time, though some folks seem to feel neglected if they aren't. Your silence does not make your presence any less necessary, or important. For after a period of inactivity, the occasion comes when your specialty is needed. So, we don't expect everybody to be participating all of the time. Remember, those men did not walk off the stage or disappear, or pack up their instruments and head for home because the conductor did not want them playing for a few minutes. You don't have to add to the melody everytime the group gets together. Sitting, waiting your turn, is part of the experience. The willingness to be ready when

NOVEMBER '81

needed, is as important as the ability to play when you do.

But then there were those times when the drums were thumped, the trumpets blown; the whole place literally vibrated with sound. Amid all the din, a handful of flutists were blowing away as hard as they could, but not being heard, at least, I could not hear the individual flute tones they added to the uproar. Yet they played on. The music called for what they had to offer. The total sound had to be different because of the little they added. Otherwise, they would not have been paid to be there.

And that is the role we must sometimes play in Phil-Mont, possessing too little by way of talent or imagination to take the lead, or play a solo, but adding something to the total tone, expending energy, adding to the harmony and just generally playing a small part in a large production. Though hardly noticed by those who enjoyed the results. Still, even a squeaky flute could have ruined the best presentation by blowing when it should have remained silent. For the nature of the orchestra is the ability to blend the sound of the instruments and the talents of its members for the purpose of producing the desired result, even when the result is the planned discord of a Stravinsky composition.

Keep that in mind when you think of yourself, or of others, and the place each occupies in Phil-Mont. There is a place, and a need, in the total scheme. And we don't all have the same things to offer. And what we do have to offer is not needed all of the time. But, if we are supposed to be doing the "Hallelujah Chorus," then we need some loud drums and cymbals and brassy trombones, and maybe a liar or two. So, sit quiet, if needs be, wait your turn, then add what you have to offer, and you

(concl'd on previous page) Last Page

FIRST CLASS MAIL



A Philmont Mobile Radio
Club Publication
124 Central Avenue
North Hills, PA 19038

the blurb

OLD TIMER'S NIGHT

Monday, 2 Nov '81

Dinner - 6:30 PM \$5.25

Call AK21 immediately